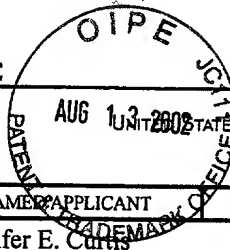


#4



## UNITED STATES PATENT AND TRADEMARK OFFICE



COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAME APPLICANT	ATTORNEY DOCKET NUMBER
10/050,213	01/16/2002	Jennifer E. Curtis	40563/144

27433  
FOLEY & LARDNER  
330 NORTH WABASH AVENUE  
SUITE 3300  
CHICAGO, IL 60611-3608

CONFIRMATION NO. 6277

## FORMALITIES LETTER



\*OC00000007706292\*

Date Mailed: 03/25/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- Total additional claim fee(s) for this application is \$42.
  - \$42 for 1 independent claims over 3 .
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 107.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. ( 5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice **MUST** be returned with the reply.*



## IN THE UNITED STATES PATENT &amp; TRADEMARK OFFICE

#4

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on

- May 24, 2002

Date

Krissa Simoni

Name

Signature

In re the application of: Curtis et al.  
Serial No.: 10/050,213  
Filed: January 16, 2002



Title: USE OF MULTIPLE OPTICAL  
VORTICES FOR PUMPING,  
MIXING AND SORTING

**RESPONSE TO NOTICE TO FILE MISSING PARTS  
OF NON-PROVISIONAL APPLICATION**

**BOX MISSING PARTS**

Assistant Commissioner for Patents  
Washington, D.C. 20231

**DOCKETED**

MAY 28 2002

Dear Sir:

Transmitted herewith for completing the filing of the above-captioned patent application is:

1. Executed Declaration/Power of Attorney (3 sheets);
2. One set of formal drawings (10 sheets);
3. Check in the amount of \$107;
4. Return copy of the Notice to File Missing Parts of Non-provisional Application; and
5. Return postcard acknowledging receipt of the above items.

A check in the amount of \$107 is enclosed to cover the surcharge for a small entity to file a Response to Notice of Missing Parts. The Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 06-1450 (duplicate of correspondence enclosed).

Respectfully submitted,

Date: May 24, 2002

Marshall J. Brown  
Registration No. 44,566

FOLEY & LARDNER  
330 North Wabash Avenue, Suite 3300  
Chicago, IL 60611  
(312) 755-2704

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Attorney Docket No.: 40563/144

0410

#4  
1/16/02

In re the application of: Curtis et al.  
Serial No.: 10/050,213  
Filed: January 16, 2002

Title:



USE OF MULTIPLE OPTICAL  
VORTICES FOR PUMPING,  
MIXING AND SORTING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on

August 8, 2002  
Date

Krisse Simoni  
Name

Signature

**RESPONSE TO REQUEST  
FOR SUBSTITUTE PAPERS**

Box Duplicate OIPE  
U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, Virginia 22202-2327

Dear Sir:

In response to the Request for Substitute Papers mailed on July 26, 2002, submitted herewith is a photocopy of the materials submitted to the U.S. Patent Office on May 24, 2002, along with one original clean set of drawings and, a copy of such Request. The attached copies consist of:

1. Photocopy of Postcard;
2. Photocopy of Check No. 646706 (funds cleared bank on June 11, 2002);
3. Photocopy of Response to Notice to File Missing Parts of Non-Provisional Application;
4. Photocopy of executed Declaration/Power of Attorney (3 sheets);
5. Photocopy of one set of formal drawings (10 sheets); and
6. Photocopy of Notice to File Missing Parts of Non-provisional Application.

While no fee is due, the Commissioner is hereby authorized to charge any deficiency he believes to be due to Deposit Account No. 06-1450 (duplicate of correspondence enclosed).

Respectfully submitted,

Date: August 8, 2002

Marshall J. Brown  
Registration No. 44,566

FOLEY & LARDNER  
330 North Wabash Avenue, Suite 3300  
Chicago, IL 60611  
(312) 755-2704